

Title (en)  
METHODS AND APPARATUSES FOR TREATING A DISPERSION BATH

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR BEARBEITUNG EINES DISPERSIONSBADES

Title (fr)  
PROCÉDÉS ET APPAREILS POUR TRAITER UN BAIN DE DISPERSION

Publication  
**EP 2616573 A4 20140806 (EN)**

Application  
**EP 11825723 A 20110909**

Priority  
• US 88080010 A 20100913  
• US 2011051032 W 20110909

Abstract (en)  
[origin: US2012061322A1] The current method and apparatus relate to treating a dispersion bath using an ion exchange resin and an optional pH adjustor and wherein the ion exchange resin and the optional pH adjustor maintain a pH of within +/-2 of the initial pH of the dispersion bath.

IPC 8 full level  
**C25D 13/24** (2006.01); **B01J 39/04** (2006.01); **B01J 41/04** (2006.01); **B01J 47/00** (2006.01); **B01J 47/04** (2006.01); **B01J 47/14** (2006.01); **C25D 13/02** (2006.01)

CPC (source: EP KR US)  
**B01J 39/04** (2013.01 - EP KR US); **B01J 41/04** (2013.01 - EP KR US); **B01J 47/00** (2013.01 - EP US); **B01J 47/024** (2013.01 - EP KR US); **B01J 47/04** (2013.01 - EP KR US); **B01J 47/15** (2017.01 - EP KR US); **C25D 13/02** (2013.01 - EP KR US); **C25D 21/00** (2013.01 - KR); **C25D 21/22** (2013.01 - EP KR US)

Citation (search report)  
• [X] US 3630870 A 19711228 - SMITH ARTHUR G  
• [X] US 2800447 A 19570723 - GRAHAM JR HAROLD EDWARD  
• [A] DE 970563 C 19581002 - PHILIPS NV  
• [A] US 3663403 A 19720516 - CHRISTENSON ROGER M, et al  
• [A] US 5876685 A 19990302 - KRULIK GERALD A [US], et al

Citation (examination)  
• US 2006076557 A1 20060413 - WALLER FRANCIS J [US], et al  
• US 6328894 B1 20011211 - CHAN MICHAEL K [US], et al  
• US 5389270 A 19950214 - THORN CHARLES E [US], et al  
• See also references of WO 2012036985A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**US 2012061322 A1 20120315**; CN 103249874 A 20130814; EP 2616573 A1 20130724; EP 2616573 A4 20140806; JP 2013537937 A 20131007; KR 20130103507 A 20130923; TW 201223613 A 20120616; WO 2012036985 A1 20120322

DOCDB simple family (application)  
**US 88080010 A 20100913**; CN 201180043867 A 20110909; EP 11825723 A 20110909; JP 2013528335 A 20110909; KR 20137006341 A 20110909; TW 100132883 A 20110913; US 2011051032 W 20110909